

Atty. Dkt. No. 039153-0683 (H1721)

**ABSTRACT OF THE DISCLOSURE**

A method of manufacturing an integrated circuit (IC) can utilize semiconductor substrate configured in accordance with a trench process. The substrate utilizes trenches in a base layer to induce stress in a layer. The substrate can include silicon. The trenches define pillars on a back side of a bulk substrate or base layer of a semiconductor-on-insulator (SOI) wafer.